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TECH NEWS



VOL. XIV.

WORCESTER, MASS., NOV. 28, 1922

NO. 9

REVIEW OF CROSS COUNTRY

THREE MEETS ON RECORD

No Loss in Graduation

Although Tech lost all three of its cross country meets this fall, there is a feeling of satisfaction in that good material was discovered that bodes well for next year, with able coaching. The interclass runs, in particular, brought out many new men, and the results were watched with interest. The squad was very fortunate in having a regular coach this year, Mr. O. W. Johnstone, a star track man himself, and with his help the squad ought to develop into a more formidable team next year.

The first interclass run resulted in a win for the junior class, having placed men from second to fifth places consecutively. Ruggles a Freshman, won this meet, and here was the first discovery of the season. He not only came out ahead of all our veterans, but also looms up as one of the best long distance runners that Tech has.

On Saturday, October 21, the team took a trip down to Middletown, Conn., where they were defeated by the fast Wesleyan team by the score 18-37. Although Tech defeated Wesleyan last year, at a much faster pace, the team was prevented from doing their best, due to the fact that the race had too early a start, so that the team had no early a start, so that the team had no All the veterans made the trip with the addition of Ruggles, who did himself credit.

The juniors clinched the cross country championship by winning the second interclass run. The whole junior team was composed entirely of veterans, such men as "Stan" Johnson, Holmes, Anderson, Howard and Styffe bringing home the bacon. The same class won the championship last year and probably will next year unless more promising material shows up.

The next big meet was held on the Tech course with M. A. C. on November 4, which Tech lost by a small margin, 26-29. Here, Howard created a surprise by losing the race by a matter of a few yards. Several of the best men, including Johnson and Holmes, were declared ineligible because of their monthly marks and their loss was keenly felt. Dimick, another Tech Freshman, won credit for himself in this race.

The last meet of the year was held at Troy when the team made the trip to Rensselaer with the football squad. Tech was decisively beaten to the tune of 15-47. The pace was too fast for our men, Rensselaer placing the first five men. Their course was about two miles shorter than ours which accounts for the fast pace.

Thus the cross country schedule was completed with no victories, but bright prospects for next year. If our stars had not been down in their studies, we might have had a victory over M. A. C. to our credit.

DR. FOSTER SPEAKS TO TECH MEN

VISIT OF FORMER TRUSTEE IS ENJOYED

Religion His Topic

On Monday, Tuesday and Wednesday evenings at 8:00 P. M., of last week in the E. E. building, Dr. Foster gave very delightful talks upon a subject which should be vitally interesting to all Tech men. He was invited here by the Y. M. C. A. His subject dealt with the attitude of college men toward religion in general and the church in particular. His viewpoint was unique, but sane, and showed very clearly that Dr. Foster's conclusions were arrived at after years of development and thought by a capable and broad minded man. During the course of the evening he mentioned the apparent lack of interest in things of a religious nature around the Hill, and explained how such an attitude can be very harmful to a college man, in that he is establishing a habit, which will not be easy to break later in life if he should wish to do so. Dr. Foster speaks of religion as a "cosmic force," capable of furnishing great inspiration and an appreciation of the better things in life. He also touched upon philosophy and the sciences and their relations to life.

Dr. Foster was a former trustee of the Institute and for years had much to do with Tech affairs. For many years he served as pastor of a church here in the city, and for the last few years of his stay in the city as an editor of the Gazette. He was connected with many things of vital interest to the public at this time, it being said that at one time he was almost solely the cause of the settlement of a bad labor situation. During these years of his life he made many friends with influential people in Worcester, and it was with regret that they saw him leave the city to take up his present work. For some time he has been doing the sort of work he is now engaged in doing. During this time he has spoken to approximately half a million college men.

He is a man with a message, the message of a broad minded, mature, thinking man and his talks were very worth while.

A. S. C. E. HOLDS MEETING

Elections Held

The student branch of the A. S. C. E. held its meeting Monday afternoon, Nov. 20. The meeting was opened with a talk by Prof. Taylor, in which he outlined the aims of the Society for the benefit of the new members. The meeting then proceeded to the election of President and Treasurer to fill the vacancies left by Wenzel and Murphy. K. C. Roberts was elected President and R. G. Walberg, Treasurer. It was decided to leave the program for the next few meetings in the hands of the Executive Committee.

FRESHMEN LOSE SOCCER GAME

SCORE IS CLOSE, RESULTING IN 1-0

Sophs Show Better Offensive

The Sophomores took another point away from the Freshmen last Saturday when they won the closely contested soccer game by the score of 1 to 0. Both teams seemed to be equally capable in handling the ball, yet the Sophomores were a little stronger on the offensive. During the first half the Freshmen seemed to have all the advantage, going down in the Sophomores' territory continually. But the Sophomores finally woke up and after a long kick from the backfield and some pretty pass-work, Hunt kicked the ball through the posts, the goal-tender missing it by inches. The game now settled down to kicking and passing back and forth the field. Very few fouls were called during this half for both sides were playing a fast, clean game. Lamay, Sophomore captain, took a bad spill and had to rest awhile before continuing the game.

The second half was even more closely contested than the first half both sides trying their utmost to put across a score. The Freshmen increased their offensive power till finally the Sophomore goal-tender fumbled the ball and it looked as though the Freshmen had made a goal. However, Archibald, Sophomore right full-back, got in there and kicked the ball offside, thus preventing a score. The corner kick resulting was broken up and the game continued. A few free kicks were given this half, all resulting from using hands. The same clean, fast game prevailed throughout this half as well as before, and it was this that made the game interesting despite the bitter cold that made the spectators shiver. The Freshmen were banded together early in the game and backed their team well with cheers. The Sophomores were not so enthusiastic, but they showed that they were back of their team.

Score:

SOPHOMORES—1 0—FRESHMEN
Jones, Burns g _____ g Ames
Archibald rfb _____ rfb Wallace
Lamay (Capt.) chb chb (Capt.) Larter
Morey lfb _____ lfb Parsons
Forristall rfb _____ rfb Bennett, Rand
Hutchins lfb _____ lfb Wilson
Zendzian, Pettingill of _____ of Connolly
Franks cf _____ cf Smiddy
Winckler cf _____ cf Key
Osborne, Hynes if _____ if DuBois
Hunt of _____ of Bittner

Goals, Hunt 1. Linemen, Potter, 25, and Rees, 26. Referee, Chou. Timer, Whitecomb. Attendance, 100.

Pithy Sayings

Water on the brain is seldom due to thirst for knowledge.

A fellow is certainly up in the air when a woman sweeps him off his feet.

Some society people prune their genealogical trees by cutting off their poor relations.

BASKETBALL PRACTISE WELL UNDER WAY

SCHEDULE IS ANNOUNCED

Active Competition For Varsity Berths

TRAIN CONTROL AT SIGMA XI MEETING

Mr. H. A. Maxfield Speaks

The second monthly meeting of Sigma Xi was held Wednesday evening, November 22 in the Electrical Engineering building at eight o'clock.

Mr. H. A. Maxfield of the Electrical Engineering department was the speaker of the evening. The subject was "Automatic Train Control." This was a very timely subject. Last year the Interstate Commerce Commission ordered forty-nine of the main railroads in the country to establish some manner of automatic train control on all locomotives for at least one full locomotive division.

The speaker, who is a graduate of the Institute, opened his lecture by telling of the needs and purpose of control of locomotives. He then mentioned the four classes of such controls. A detailed account of the one which he aided in developing was next considered. Slides were used to illustrate the development of its various parts and the elimination of the objections to some of them.

The control is such that if a train enters a block, which the signals indicate as being closed, the brakes are automatically applied and cannot be released until the train comes to a full stop. The engineer cannot release the brakes until the train has ceased its forward motion and when he does proceed he is not able to go more than fifteen miles an hour, until he comes to a clear block. Therefore, the system, being entirely automatic, is absolutely fool-proof and serves its purpose, that of eliminating accidents.

Those attending were much interested in Mr. Maxfield's talk.

TECH MUSICAL CLUBS MAKE DEBUT

Pleasing Concert at Local Church

The Musical Clubs made their initial appearance on Nov. 23, at All Saints' church where they were received by a very appreciative audience. The program was opened by a song with encore by the Glee Club, followed by several piano solos by Mr. Bassett, a local artist. The Mandolin Club then rendered two selections which were enthusiastically applauded. These were followed with selections by Mrs. Russell and Miss Fay, well known local talent. A number of cello solos were then rendered by Winckler, 25, and were well received by the audience. The concert ended by the combined clubs singing Tech songs.

Varsity basketball practice has been going on now for the past week with a good-sized squad on the floor. About thirty-five men turned out for the first practice which was held last Tuesday and this number was increased to forty the second night of practice. Coach Bigler was greatly pleased at the number of men answering the call.

Coach Bigler has three letter men from last year's team back and out for the squad around which to build his five. Thus far Capt. Ralph White and Jim Whelpley are the only varsity men in uniform. Tom Perry has not recovered completely from the injury he received playing football, but it is expected that he will be in uniform in a week or two. Capt. White will undoubtedly be seen back in his old position at guard where he has been playing the last three seasons. Perry will probably be at center with Whelpley holding down one of the forward positions. Delphos, a substitute on last year's five, will make a strong bid for the other forward berth. The graduation of Fred Pickwick has left a large gap in the rear court which will be mighty hard to fill. Perry will be out as soon as his football injury heals sufficiently and should give all comers a hot race for a berth.

The first night of practice Coach Bigler talked to the candidates on the importance of regular training and pointed out to the men just what he expected of them along this line. He also drilled the men in some of the fundamentals of the game. Regular practice, until the inter-fraternity series is over, will only be held on Tuesday and Thursday nights. Coach Bigler is closely watching the play in the inter-fraternity games to get a line on the ability of some of the candidates out for the varsity, who are participating in these games. Several men are putting up a snappy game of basketball. Among these men are Sharpe, Judson, Higgins, Beckley, Nilson, Leyland and McAuliffe. Other men out for the squad who are showing up well are Wahlberg, Hurd, and Kirzhobian. Parsons, Bittner, Lyman and Calder from the Freshmen class are all showing up well in practice.

Manager Dick Kimball announces the schedule to date as follows.

- | | | |
|------|-----|----------------------------------|
| Jan. | 9. | Brown at Providence. |
| | 12. | Rhode Island State at Worcester. |
| | 20. | Springfield at Worcester. |
| | 27. | Harvard at Worcester. |
| Feb. | 3. | U. of Maine at Orono. |
| | 7. | M. A. C. at Worcester. |
| | 10. | N. H. State at Worcester. |
| | 17. | Harvard at Cambridge. |
| | 22. | Clark at Tech Gym. |
| | 28. | M. I. T. at Cambridge. |
| Mar. | 3. | Princeton at Worcester. |
| | 10. | Rensselaer at Worcester. |

TECH NEWS

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R. N. Brooks, '25 S. A. Jacobs, '26
A. G. Rand, '26 H. F. Brown, '25
H. B. Smith, '26 J. C. Gilbert, '26
A. K. Morgan, '24 F. W. Hudson, '25
D. A. Hunter, '26 G. Buddy, '26
D. Downing, '26 C. A. Bomer, '26
D. B. Martin, '24 M. J. Rice, '23
K. J. Smith, '25 C. C. Smith, '25
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CAMPUS PATHS

It is of the opinion of many students and a few of the faculty that many of the paths on the Hill need attention. Perhaps the one that is used the most is that one which requires immediate care. The path leading from the Salisbury Lab. down to the corner of Boynton and Salisbury streets certainly does no credit to the school. It is used by three fraternities and many other students not to speak of the visitors that appear on Tech Hill. While perhaps it is not in our power to seek a more imposing entrance, it does seem as if we ought to have the path kept in good condition. In the winter, passage is very dangerous, the derelict condition of the steps and the steep grade of the path, all contributing to make one hesitate before descending the slippery way. The time for action is now, for winter is not far off. A few of those who have studied the situation have two suggestions: (1) to construct a new path a little farther north where the grade is not as steep; (2) to introduce an other series of steps about half way up the present path. The latter perhaps is the most practical of the two thoughts and certainly would aid in relieving the steepness of the grade.

Another fact that has attracted attention is that several students have made it a practice to cut through private property to get from Dean street to Boynton street, proceeding through the side gate and so on up the Hill. It is not to be recommended that students, Freshmen in particular, continue this practice. Minor complaints have been heard already, and we know that the students do not want to force drastic measures.

So, let's get together, fellows, and watch out for these short cuts, meanwhile do we want a better path down to Salisbury street?

BASKETBALL

We shall soon begin the sixth season of Tech's most successful sport,

and every staunch supporter of Tech athletics is earnestly looking forward to the first game. We ought to be proud of the records made in the last four years and should try hard to back the team at every game this year.

A very good schedule has been arranged and some of the best college basketball teams in this section of the country will meet our varsity in the gym this winter. The team has several hard games to play and its success depends a great deal upon the support given by the student body. Every seat in the cheering section must be filled, and filled by a person who has the "old Tech spirit," knows the cheers and songs, and is not afraid to put them across.

In the past Tech has had a good name at other colleges for being fair, for clean playing, and for all-around good sportsmanship. Let us strengthen this reputation rather than weaken it. We should treat our opponents squarely and refrain from unsportsmanlike remarks, for by such actions we have everything to lose and nothing to gain.

In Coach Bigler we have a man who understands the training of a good team and who has built up a strong squad in the short time he has been connected with Tech. We place absolute confidence in his success to turn out a winning team this year. He has a hard task ahead of him in filling the vacant positions but we trust that he will be able to mold together a real team from the good material at hand.

For the benefit of the new men at the Institute we might add that the bleachers opposite the entrance are reserved for Tech students who form a cheering section which is led by the cheerleaders. Get a little spirit started now by talking the subject whenever a suitable occasion arises.

WE WONDER!

From different sources it has become apparent, this year especially, that something is happening to bring about a lack of spirit here at Tech. All during the football season the student body was continually told to show some "Tech Spirit" and support the team. This was done, but supporting a team is in itself only a branch of "Tech Spirit." If all students did was to support the teams, things would not be remedied at all. What we need is some means of bringing the students together and keeping them together. At Tech now a man's friends are confined almost entirely to his division, his fraternity, or at the outside, his class. Everyone must realize the number of men they say "Hello" to on the Hill everyday that they do not know. In a college the size of ours we ought to be able to know at least the names of the men.

One of the reasons why we do not know our student body better seems to be because the men are not together enough. To be sure, they are together in classes and once or twice a week they may be together in a class lecture, but no sort of a friendship can be brought about in an hour. President Hollis made a move in the right direction when the student assemblies were started several years ago. Once a month the entire student body comes together in the gymnasium, either to hear some speaker or to discuss affairs. While these assemblies supplied something that was much needed here at Tech, we think there is still something further needed, more out of the educational or business line of the assembly. The assemblies should not be abolished, but something further should be added.

Perhaps one of the best things to be added is inter-class sports. These were held regularly at Tech up until several years ago, but since then they

have been dropping off until at present inter-class athletics are practically limited to the Freshmen and Sophomore classes. One of the main reasons for the upper classes dropping them is found to be lack of time. This is not an excuse but a reason as very many of us realize. The upper classes have their afternoons off but they do not come at the same time for all the divisions, and you cannot practice individually for any sport. If some arrangement could be made whereby the entire student body would have Saturday morning free, we believe much in the right direction would be accomplished.

It could be easily arranged to have two inter-class games every Saturday morning, thus uniting the entire student body. The sport would of course be dictated by the season of the year, but with our gymnasium and athletic field there should always be some sport that would fit in. Suitable incentive could be obtained by putting up a trophy of some sort, and it is believed that the classes would willingly do this as it is entirely in the interests of their school.

This method is used at many engineering schools and colleges, perhaps the most successful in our class being Rensselaer, and we would like to hear some discussion on the subject either in the TECH NEWS, at class meetings or at the monthly assembly.

M. E. NOTES

The following clipping was taken from the Shawinigan Falls, Canada, Review: "During the past two weeks, M. Way, of the Bureau of Montreal, made a hydraulic power test of the Belgo and Aluminum Company, under the direction of Professor C. M. Allen of the Worcester Polytechnic Institute, Worcester, Mass. The method used was that of measuring velocity of a saturated solution of salt, a method which has been developed by Professor Allen during the past two years. It consists of introducing by air pressure a saturated solution of salt in the upper part of the raceway, and as this solution runs down in the raceway passing between a pair of electrodes, and as it is a conductor, completes the circuit and records the flow on the ammeter. The time of flow is recorded on the same chart by means of a seconds pendulum which controls an auxiliary needle. Having given the volume of the raceway and the time of flow between the points of the electrodes, the quantity of water in cubic feet per second can be obtained by dividing the volume by the time. The accuracy and ease of measuring the quantity of water by this method is very appreciable. Preparations are being made under the direction of Professor Allen and Mr. E. A. Taylor, M. Hydraulic Engineer, for making a test by this method on the new 40,000 horse power unit which has been installed.

R. D. Lambert, '19, of the Educational Department, General Electric Company, Lynn, Mass., was a recent visitor at the Institute.

The Senior Electricians, under the direction of Prof. C. A. Read, visited the plant of the Stewart Boiler Works in this city, last week. They were fortunate in finding a return tubular boiler practically complete except for the tubes, in which stage the details can be seen most clearly. This trip was arranged through the courtesy of Stanley Stewart, '11.

At the meeting of the Local Section, American Society of Mechanical Engineers, held last week, Professor H. P. Fairfield, Professor C. A. Read, Mr. R. G. DeLaMater, and Mrs. L. W. Rawson, represented the M. E. Department, and the following Senior Mechanics attended as guests of the Executive Committee of the Local Section: E. B. Coghlin, E. E. Englund, G. H. Nelson, and H. P. Putnam.

FRATERNITY NOTES

Phi Gamma Delta

"Lex" Whitney, '21 and Bruce Ruthertford, '19, are now working in Philadelphia.

"Win" Pratt, '14, was a visitor at the house recently.

Doctor Foster of the Yale Chapter paid the house a visit while lecturing at the school.

E. A. Jones, '26, and A. R. Brown, '25, have been pledged.

The fraternity is holding a formal dance Thanksgiving eve.

Sigma Alpha Epsilon

Announces the pledging of A. O. DuBois, '26 and C. A. Bonner, '26.

Doctor Foster was present at dinner last Tuesday evening.

Lloyd D. McClutcheon, ex-'17, visited the house over the weekend.

Delta Tau

This year's Thanksgiving banquet will be held at the house Tuesday, Nov. 28.

The fraternity is holding a dance Saturday evening, Dec. 2 at "The Oaks."

A. P. Nutter was married to Mrs. E. B. Hawkes Oct. 13 at Springfield. They will reside at Lincoln, N. H.

Theta Chi

The annual Thanksgiving banquet will be held at the house this evening at eight o'clock.

"Dodo" Field was a visitor at the house on Sunday.

Alpha Tau Omega

Wednesday evening, Dean Thomas Arlie Clark of the University of Illinois visited at the house. A banquet was given in his honor with representatives from each of the fraternities at Tech present. E. H. Packard, another national officer was present. Dean Clark is much interested in fraternities and has written several books and magazine stories on college life.

Leon Allen, ex-'23, was married last

Saturday to Florence A. Holmquist at Kensington, Conn.

Phi Sigma Kappa

George L. White, '20, announced his engagement to Elizabeth Kamiter of Springfield recently.

Richard Lambert, '18, who is with the General Electric Co. at Lynn, was a recent visitor at the house.

Brother William McKinley of the Chapter at Lehigh spent the weekend at the house.

Harris Whiting, '16, and Howard Nickerson, '12, were also recent visitors.

A house dance was held Saturday, the chaperons being Brother and Mrs. M. R. Fish, Brother and Mrs. J. L. Monson, and Brother and Mrs. R. C. Lawrence.

Lambda Chi Alpha

A dance was held in the house last Saturday evening. Prof. and Mrs. C. D. Knight acted as chaperons.

TECH NEWS BUSINESS MEETING IN B 19

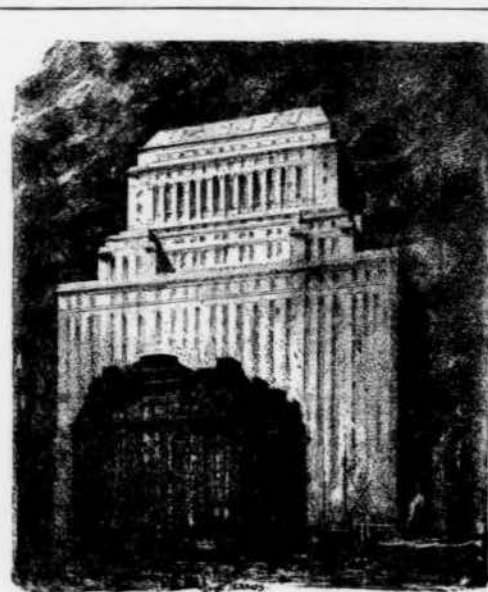
There will be a business meeting of the Tech News Association on Monday, December 4. The usual order of business will be transacted, the important features of which are the following proposed amendments to the By-Laws:

(1) That all members of the Tech News Association who are absent from school for one year for any reason shall retain their membership in the Association when they return if they were members in good standing at the close of their last school year.

(2) An amendment to read to the effect that the secretary of the Association be considered a member of the Tech News staff.

(3) That all proposed By-Laws be tabled for one month before any action be taken on them.

At this meeting, any aspirants for membership in the Association will be voted upon. Also assignments for the week will be given out.



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INTER-FRATERNITY BASKETBALL

PHI SIG. 15, DELTA TAU 7

Phi Gam 20, A. T. O. 12

Monday night the second week of inter-fraternity series opened with Phi Sigma Kappa defeating Delta Tau 15 to 7 and Phi Gamma Delta springing a surprise by handing Alpha Tau Omega a 20 to 12 set-back.

In the first game Phi Sig. outplayed Delta Tau during the entire contest. "Hap" Nilson, who was away off his usual form, missed many close shots. The playing of Goddard and Parsons and the foul shooting of Nilson featured for the winners, while Johnson and Horne played well for the losers. The first half was comparatively close but in the second period Phi Sig. steadily increased its lead and by placing Bell in the line-up they put the game on ice.

Score:

P. S. 15 7-D. T.
Nilson lf _____ lf Johnson
Anderson, Hunt rf _____ rf Horne
Goddard c _____ c Bird
Parsons lg _____ lg Jordan
R. Smith, Bell rg _____ rg Martin
Goals, Goddard 3, Nilson, Parsons, Johnson. Free tries, Nilson 5, Horne 5.

Score, first half, P. S. K.—8; D. T.—4. Referee, Shaw.

The second game was full of thrills and excitement. At the end of the first half A. T. O. led 6 to 5, but Phi Gam came right back at the beginning of the second half and before A. T. O. was aware of it Delphos and Lyman had put Phi Gam ahead with some exceptionally good passing and shooting. Near the end of the second half with Phi Gam leading 14 to 8, Calder went in for Bittner. Calder and Howard both scored, bringing A. T. O. to within two points of Phi Gam. However, the A. T. O. team was not quite equal to the occasion and Delphos got away for a pretty shot from the side and Lyman threw one in over his head. Lyman scored four difficult shots. Delphos scored a like number and played a great floor

game. Delphos and Lyman played great games for Phi Gam, while McAuliffe, Bittner, and Howard starred for the losers. Score:

Phi Gam—20 12—A. T. O.
Delphos lf _____ lf Hines
Lyman rf _____ rf Bittner, L. Calder
McInnes c _____ c McAuliffe
MacAdam lg _____ rg Ames
Reese rg _____ lg Howard
Goals, Delphos 4, Lyman 4, Hines, McAuliffe, Howard, Calder. Free tries, McAuliffe 4, Lyman 3, Delphos 1.
Score, first half, A. T. O.—6, Phi Gam—5. Referee, Shaw.

L. C. A. DEFEATS D. T. BY LARGE SCORE

On the night of Nov. 22, L. C. A. defeated D. T. 28 to 6. The first half of the game was slow, both teams doing poor passing. L. C. A. had the ball in their opponents' territory most of the time but were only able to cage three baskets. Both teams fouled considerably. Layland of L. C. A. made six free tries count while Martin of D. T. accounted for only two. The score at the end of the first half was L. C. A. 12, D. T. 2. L. C. A. came back strong in the second half, improving their passing and shooting. Sponagle caged five baskets in rapid succession, followed by two from Lundgren and one from Higgins. Horne and Bird each scored a basket for D. T.

L. C. A.—28 6—D. T.
Sponagle lf _____ lf Horne
Leyland rf _____ lf Johnson
Lundgren c _____ c Bird
Bysshe lg _____ rg Martin
Higgins rg _____ lg Jordan

S. A. E. SNOWED UNDER BY T. C.

Wednesday night, Nov. 22, T. C. beat S. A. E. to the tune of 32-7. S. A. E. caged the first basket. T. C. then kept the ball down at the other end of the floor, the remaining half of the game. A good many fouls were made by S. A. E. Sharpe of T. C. made these count by shooting eleven out of fourteen free tries. The score at the end of the first half was T. C. 13, S. A. E. 2. T. C. opened the second half with fast passing. Sharpe was spec-

tacular in his shooting and caged them from every position on the floor. Beckley featured at guard. Judson played a hard game, scoring most of the points for S. A. E. At the end of the game, Sharpe had twenty-seven points to his credit.

The lineup:
T. C.—32 7—S. A. E.
Schwarz, Thompson lf _____ lf Perry, Martin
Sharpe rf _____ lf Goodwin
Hawley c _____ c Nelson
Marsh lg _____ rg Calder
Beckley rg _____ lg Judson

LAMBDA CHI 26, PHI GAM 8

Lambda Chi defeated Phi Gam in a fast game Friday night. The game was one sided, Lambda Chi taking the ball down the floor whenever they wanted to. Lundgren starred for Lambda Chi, scoring twelve points. Lambda Chi's team work and passing could not be broken up and although Phi Gam played a good game they could not stop the fast work of the Lambda Chi team. Delphos who was a sub on the varsity last year played a fast game.

The lineup:
Lambda Chi—26 Phi Gam—8
Sponagle rf _____ lg Flemming
Leyland lf _____ rg Rees
Lundgren c _____ c McInnes
Higgins lg _____ rf Delphos
Bysshe rg _____ lf Lyman
Baskets, Delphos 2, Lundgren 6,

Sponagle 3, Higgins, Leyland. Free tries Lyman 2, Leyland 4.

THETA CHI TRIMS A. T. O.

Theta Chi trimmed A. T. O. by a score of 14-8 last Friday through their ability to shoot baskets. Bittner, the little A. T. O. star forward, failed to score a single point during the entire game. The ball traveled up and down the floor and the passing of the A. T. O. team showed much improvement over their previous games. Theta Chi lost many chances to score, after carrying the ball the length of the floor, through poor pass work under their opponent's goal. The game was exceptionally clean, there being only a few fouls called on each team. Hawley and Sharpe of Theta Chi furnished the thrills of the game, each getting a basket from the middle of the floor. Ames and Howard, A. T. O. guards, did splendid work, preventing the Theta Chi score mounting any higher. The game was closer than would seem by the score, for neither team was able to score at will during the entire game. Theta Chi leading by only one point at the end of the first half.

The lineup:
Theta Chi—14 8—A. T. O.
Thompson rf _____ lg Ames
Sharpe lf _____ rg Howard, Calder
Hawley c _____ c McAuliffe
Marsh lg _____ rf Hynes
Beckley rg _____ lf Bittner

Baskets from the floor: Hynes 2, Sharpe 2, Hawley 2, Thompson. Baskets on free tries: McAuliffe 4, Sharpe 4. Free tries missed: McAuliffe 4, Sharpe 4. Fouls: A. T. O. 8, Theta Chi 8. Referee: Joe Shaw.

SERIES STANDING

	Won	Lost	Per.
L. C. A.	4	0	1000
T. C.	3	1	750
P. S. K.	2	1	667
A. T. O.	2	2	500
P. G. D.	1	2	333
S. A. E.	0	3	.000
D. T.	0	3	.000

C. E. NOTES

A letter from Philip H. White, '22, headed "U. S. Steamship Discoverer, off coast of So. California," reports that the service in the Coast Survey is an ideal way to see something of the world. Quarters, companions, and pay are all satisfactory.

There are quite a large number of vacancies in the service, and judging from past experience, W. P. I. civil engineers are well fitted to pass the examinations. Mr. White states that he sees Carl F. Meyer and Donald W. Taylor every week end. These men of '22 are in the same service on the Pacific coast.

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WORK OF AFTERMATH WELL UNDER WAY

Art Editor Added to Staff

Leon V. Quigley, Editor-in-Chief of
the Aftermath, announces that work
on this year's Aftermath is going along
fine, in fact, work on it is a little
further advanced than at this time
last year on the fine volume put out
by last year's class. Most of the work
has been assigned, and much has been
accomplished towards making this
Aftermath the best that has ever been
put out on the Hill.

With the end in view of publishing
the annual before Commencement the
Editor asks the co-operation of the
entire Senior class in writing up the
material in good style, and especially
in getting it in on time. With this
view, Business Manager Oswald H.
Dodkin told the members of the Sen-
ior class that all glossy prints of the
class for publication must be in his
hands before the Christmas vacation.

In keeping with the policy of last
year's staff Ralph R. Meigs was elect-
ed to the position of Art Editor. He
has done excellent work in the past,
and under his able leadership, it is
expected that the Art Department
will be a live one this year.

PHYSICS DEPARTMENT NOTES

A case of scientific apparatus has
just been received from Germany, the
maker being Goetze of Leipsic. On
this, under the new tariff, a duty of
sixty per cent had to be paid whereas
formerly all apparatus for educational
institutions came in free. There will
undoubtedly be a corresponding in-
crease of price in American apparatus
and hereafter the Physics Department
will probably have to pay \$1.50 for
that which previously cost \$1.00. This
is another aspect of the high cost
of living. The consignment referred
to above and another which has not
yet arrived were placed in time to
escape the new tariff but unfortunate
internal conditions in Germany de-
layed the delivery. The apparatus re-
ceived was in good condition.

Miss Ruby H. Day

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A FRESHMAN THEME

THE ABBATOIR

One o'clock! The door opens. In
come thirty butchers in single file.
Each has a grim, determined look upon
his face. Each has for hours mustered
up every atom of courage for the dirty
work which lies before him. The head
butcher makes his appearance, frees
himself from a heavy overcoat, hangs
this, together with a hat, on a peg,
and rings a fearfully loud gong.

This is certainly an odd appearing
slaughter house, for in the center of
this main room are long rows of
benches, instead of chopping blocks.
There are no overhead tracks with
their meat hooks hanging down. But
here are counter-shafts with belts,
which buzz and whirr as they leap
from pulley to pulley.

The butchers march in disorderly
fashion up to a tier of drawers. Each
selects his own drawer and returns to
his bench to begin his task. First he
must sharpen his tools. But where is
his cleaver? He has none, but he is
quite as deft and almost as efficient,
armed with a plane or a chisel. Where
is the meat? Where are the whole
sides of beef or pork, or those slabs of
juicy liver, or the pools of blood?
Where are the frankfurts? This is
no ordinary butcher shop. These fel-
lows are wood butchers. They carve
and hack pine, white wood, and per-
haps maple.

Webster says that a butcher is one
who garbles, botches and mangles.
This but mildly describes these des-
troysers.

Evidently some one thinks they are
not skilled enough in their work.
Therefore a teacher is thrust upon
them. This teacher politely addresses
them as pattern-making students; and
at various intervals gathers his brood
together, and locks them into an ad-
joining room for hours at a time. Here
he talks at length about process. This
worthy instructor believes that (to
paraphrase Emerson) there is a best
way of doing everything, if it be but
to hammer a nail. He then shows
them how to finish their products.
What a waste of time! This is one
process in which they need absolutely
no instruction, for they finish their
work at the very start!

After this lecture the thirty butchers
make their way tirelessly back to the
slaughter room. Each wades knee-
deep through shavings to his bench and
continues his merciless campaign.

COMPLIMENTS

OF

THE BANCROFT

THE JOURNAL
IS PUBLISHED BY
THE ALUMNI ASSOCIA-
TION

It is a bond between
Graduates and Under-Graduates
AND DESERVES
The Encouragement of Both

RIFLE CLUB

The Rifle Club has started practice
for their annual tournaments and
shooting matches. The range, situat-
ed in the basement of the Y. M. C.
A., will be open for practice on the
following afternoons, Tuesday, Wed-
nesday, Thursday and Friday, from
4:00 to 5:45 o'clock.

All fellows interested should go to
the range, join the Rifle Club and
practice hard for the coming events.
The dues are \$2.00, which is to be
paid when one joins.

Sometime in the near future, the
matches between the different classes
will take place. From the results of
the class matches, the members of the
regular rifle team will be picked.

Later in the year, the team will
shoot several dual matches with other
colleges. They will also take part in
the N. R. A. inter-collegiate tourna-
ment, as is the custom. The Rifle
Club wants to see more Freshmen out.

E. E. NOTES

Mr. George F. Penniman, '22, re-
cently with the United States Rubber
Co., Hartford, Conn., has accepted a
position in the Central Engineering
Works office, of the Western Electric
Co., at Hawthorne, Illinois.

Mr. Charles N. Clarkson, '22, is now
with the Pacific Telephone and Tele-
graph Co., Oakland, California.

A. W. Pride, of the class of 1913, is
now located with the Westinghouse
High Voltage Insulator Co., at Derry,
Pa.

I. R. Smith, '21, is located as an en-
gineer of the Detail and Supply De-
partment of the Westinghouse Electric
and Manufacturing Co., on the de-
velopment of a new type of lightning
arrester.

C. C. Hutchins, '21, recently complet-
ed the graduate training course of the
Westinghouse Electric Co., and is en-
gaged in design work of the power divi-
sion of the Engineering Department.

He: "I think that a street car just
passed."

She: "How do you know?"

He: "I can see its tracks."



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